PI TAU SIGMA ANNUAL CHAPTER REPORT

2016-2017

Cal Poly Pomona – Delta Beta Chapter

FOREWORD

The academic year of 2016-2017 proved to be exciting and challenging for the Delta Beta chapter. The executive board worked tirelessly to continue and improve the legacy and prestige of Pi Tau Sigma on campus. The primary and overarching goal for this year was to increase member participation, garnering loyalty and pride for the honor society. Retaining members at Cal Poly Pomona is difficult because it is largely a commuter campus. Other objectives for the chapter included the provision of facility tours, weekly tutoring sessions, and the annual Mechanical Engineering department banquet. All accomplishments of the Delta Beta chapter could not have been possible without the efforts of the following members of the executive board and the club advisor:

President	Suzanne Shihadeh
Vice President	Aaron McCain
Treasurer	Benjamin Trinh
Secretary	Benny Ly
Events Coordinator	Kevin Rorick
Engineering Council Representative	Raymond Yip
Advisor	Professor David L. Miller

INITIATION

Before the beginning of the school year, the initiation process was structured and refined. The website created in the previous year was edited to provide the information of the current officers as well as events planned for each month. Frequent meetings were held to discuss the activities regarding initiation, as well as to discuss the master plan for the whole year. The fundamental qualifications to receive a bid to initiate remained the same:

- Top 35% of Senior Class / Top 25% of Junior Class
- 3.25 Overall GPA Minimum
- 2.7 ME GPA Minimum (core units only, excludes General Education)
- 40 ME Units Completed Minimum
- 36 Units Completed at Cal Poly Pomona

The last two hard requirements were implemented to ensure a form of residency at the college, since Junior and Senior status can be achieved in other ways without going through the curriculum at Cal Poly Pomona (transfer students, AP credit, etc.). Completion of the following tasks throughout the course of a quarter were requirements to finish initiation:

- Obtain Signatures from Ten Active Pi Tau Sigma Members (2 Professors, 3 Officers Mandatory)
- Payment of Lifetime Membership Dues
- Complete 5 Service Hours
- Complete 3 Networking Hours
- Attend Initiation Ceremony

Historically, networking hours were not part of the initiation, but were added in an effort to increase social interaction between the incoming members, creating stronger bonds with Pi Tau Sigma so that they would return and contribute to the future of the club. For both quarters of initiation, this requirement was treated with flexibility, and those who had difficulty acquiring them were highly encouraged to seek help from officers. Going on a facility tour counted as 2 hours, regardless of the duration of the tour; going to a company info session counted as 1 hour, regardless of duration. Both community service opportunities and networking opportunities were sought and provided by the executive board to further aid the initiates. Opportunities for internships, full-time jobs, and scholarships were also sought out for the members.

Pi Tau Sigma 2015-2016 New Members	
Fall 2015	Spring 2016
Lucas Ardena Mikhail Cabillan Keaton Cornell Aaron Chan Dae Hee Chung Evan Dietrich Faith Forcucci Mariana Godinez Garrett Granados Jacky Hsieh Kevin Liu David Moreno Emily Mukai Vince Olvera Nathan Quema Edgard Racelis Erik Sinness George Tanner Anthony Thai Kevin Valencia	Joshua Maderazo Steven Le Troy Stechmann Jessica Rule Deandra Boentaran Rozina Nalbandian Joseph Garcia Daniel Smith Alexandria Victoria Kate Cranor Christopher Want Matt Lambrose Audrey Wong Joseph Gebreselassie Minna Mattis

Initiation meetings were held bi-monthly, and were typically on the odd Friday of the 9th week quarter system at Cal Poly Pomona. There were 4 meetings total before the ceremonies for each quarter that initiation was held (Fall and Spring). The first meeting was mainly an introduction of what Pi Tau Sigma was about, and initiate sheets were passed out so that potential members could begin completing their tasks. Human bingo was the main event for the second meeting, allowing those in attendance to meet new people and engage in a social activity. For the last

meeting, pros and cons of the initiation process were discussed so that future activities could enhance the experience of candidates, strengthening their connection with Pi Tau Sigma. At every meeting, current and upcoming events were always announced, and help was always offered for any aspect of the process. The initiation ceremonies were carried out professionally and successfully, and new members were treated out to eat afterwards. Combining the fall and spring quarter initiations, the Delta Beta chapter successfully inducted 35 new members.

Figure 2: 2017 Mechanical Engineering Banquet

CHAPTER ACTIVITIES

Facility Tours

Traditionally, tours at different engineering companies are planned so that Pi Tau Sigma members can explore the possibilities that the industry may offer, as well as create possible job opportunities if they are available. They have a first-hand experience of real life applications in engineering, which will further aid their pursuit of their desired career paths. There is typically one tour per quarter.

Chevron

During the Fall quarter, members were given a tour of the Chevron Oil Refinery at El Segundo. The tour was in the form of a bus tour. As the bus traveled around the facility, members got a glimpse of what working for Chevron entails. Afterwards, they were given time to network and socialize with Cal Poly Alumni that work at Chevron.

Biosense Webster

During the Winter quarter, members were able to see the engineering applied in the medical industry. Biosense Webster is a medical device company that designs, tests and manufacturers diagnostic and therapeutic catheters.

Workshops
In an effort to create stronger ties with current and incoming members, a few social events were planned. Welding and 3D printer workshops were hosted at a local hackerspace free of charge to members. The members gained knowledge and hands-on experience on different types of welding technique as well as be able to assemble a 3D printer. These workshops were hosted once per quarter.

Pi Tau Sigma 2016 National Convention

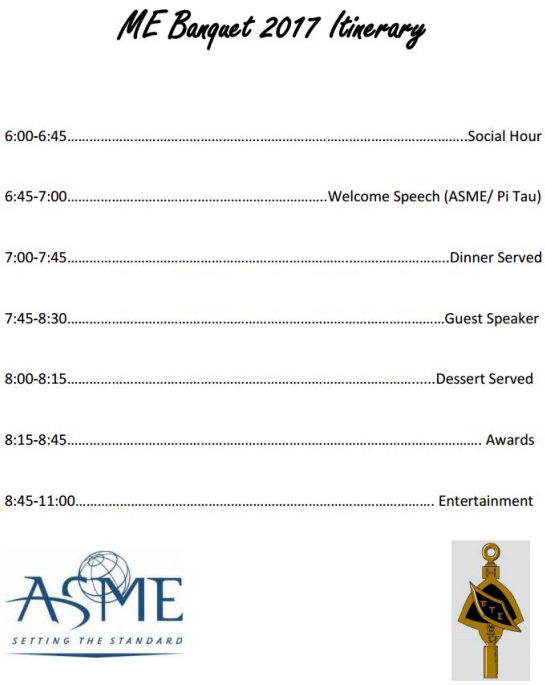
This year Cal Poly Pomona was only able to send one member to the Drexel Convention due to travel and time constraints. Overall, it was an amazing experience for all who attended, being able to network with peers from all over the country. The group collaborated with other chapters in sharing old ideas and traditions while developing plans for the future. Seeing the passion and success of other chapters instilled motivation to improve the status and success of the Delta Beta chapter.

CAMPUS INVOLVEMENT

Tutoring/Advising
As always, Pi Tau Sigma hosted weekly tutoring and advising sessions during University Hour, an hour when there is no class being held. Most subjects that were tutored were for the fundamental classes such as statics or dynamics, but all were welcome and officers did their best to answer any and all questions. Students also came to be advised about planning their course paths, calling on the knowledge of the veteran students in the program.

46th Annual Mechanical Engineering Department Banquet
Every year, Pi Tau Sigma plans and hosts a banquet for the mechanical engineering department and its students to celebrate the achievements and successes of students and professors alike. In recent years, ASME was enlisted to support the event because of the amount of work needed to host an event for a program as big as the Cal Poly Pomona mechanical engineering program. This year, we invited Dan Coughlin to speak at the banquet. He works for Northrop Grumman as a stress analysis engineer. During his speech, he talked about how engineering has changed over the years, giving us insight on the mistakes he has made during his career and what he expects out of us students as we are about the enter the workforce. In addition to Mr. Coughlin's speech, we also invited Mr. Ganpat Patel back again. He gave a short speech about his long career as an engineer, telling us about his struggles and hardships. Afterwards, professors who excelled in the past year were recognized, and those involved in helping plan the banquet were appreciated. Other festivities for the night included a dinner buffet, a photo booth, a dance floor, and a prize raffle. The new Pi Tau Sigma Delta Beta chapter executive board was introduced, and the outgoing officers were recognized and appreciated for their service.

Figure 4: Ganpat Patel



ME Banquet 2017 Itinerary

6:00-6:45.....Social Hour

6:45-7:00.....Welcome Speech (ASME/ Pi Tau)

7:00-7:45.....Dinner Served

7:45-8:30.....Guest Speaker

8:00-8:15.....Dessert Served

8:15-8:45..... Awards

8:45-11:00..... Entertainment

Figure 6: Mechanical Engineering Banquet Itinerary

FUTURE GOALS/CONCLUSIONS

One of the biggest goals will still be to improve the connections and member base between Pi Tau Sigma and its members. The vision is to be able to host a national convention for Pi Tau Sigma and to contend for the awards for the best chapter. The minimum expectation for involvement of the chapter should be to maintain tutoring services and facility tours every quarter. The Delta Beta chapter has seen stupendous growth in recent years, and the reputation of Pi Tau Sigma is only getting better. This year, Pi Tau Sigma had a retention rate of 100%, having all of its new members be active after their initiation. With the implementation of networking hours, more students have come back and asked to be more involved with the club. It has been an incredible year for this chapter, and it will continue to grow and mature to become one of the greatest clubs to be a part of at Cal Poly Pomona.